

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A fluid dispensing apparatus for dispensing a predetermined volume of fluid comprising:

(a) a fluid reservoir with a fluid inlet for the introduction of the fluid into said fluid reservoir, and a fluid outlet for the release of said fluid from said fluid reservoir;

(b) a fill tube assembly connected to said fluid outlet, the fill tube assembly comprising

(i) a fill valve capable of controlling the flow of fluid released from said fluid reservoir into the fill tube assembly, and

(ii) a drain line provided with a discharge valve for dispensing a predetermined volume of fluid from said fill tube assembly; and

(c) wherein the fill tube assembly further consists of a means for continuously and electronically measuring fluid volume therein, said means consisting of a pair of electroconductive terminals proximate either said fill tube assembly or said fluid reservoir and means for connecting said terminals to an energy source so that a current can be passed from one terminal to the other terminal; and

(d) control means responsive to the capacitance of said current for selectively controlling said dispensing of fluid from said tube assembly, or said introduction of fluid from said reservoir, or said release of fluid from said reservoir.

2. (Original) The fluid dispensing apparatus of claim 1, wherein said electroconductive terminals consists essentially of electroconductive strips affixed to the external surface of said fill tube assembly.

3. (Canceled)

4. (Original) The fluid dispensing apparatus of claim 2, wherein the electroconductive strips are both made substantially of copper.

5. (Original) The fluid dispensing apparatus of claim 1, wherein the current passed from one terminal to the other terminal is a pulsed current.

6. (Original) The fluid dispensing apparatus of claim 1, wherein the control means is operative to open manually the discharge valve for a determinable time period to thereby dispense a determinable volume of fluid.

7-10. (Canceled)

11. (Previously presented) The fluid dispensing apparatus of claim 1, wherein the fluid reservoir is pliable.

12. (Previously presented) The fluid dispensing apparatus of claim 1, wherein the fluid reservoir is not pliable.

13. (Previously presented) The fluid dispensing apparatus of claim 12 further comprising a bladder.

14. (Previously presented) The fluid dispensing apparatus of claim 1, wherein the fluid reservoir is enclosed in a rigid housing.

15. (Previously presented) The fluid dispensing apparatus of claim 1 further comprising a source of pressurized gas.